

**INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT AND REGULATION DIVISION**

Review and updation of Mining Plan REPORT

Jabalpur regional office

Mine file No : MP/JBP/BX-46

Mine code : 75MPR18008

- (i) Name of the Inspecting : **K006**) **NARESH KUMAR KATARIYA**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Sh. Rajesh Shukla (Lease holder) and other staff
Official with
Designation
- (iv) Date of Inspection : 25-JUN-21
- (v) Prev.inspection date : 18-MAR-19

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **PADWAR(7.46 HECT.**
- (b) **Registration NO.** :
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address
State : MADHYA PRADESH
District : JABALPUR
Village : PADWAR
Taluka : SIHORA
Post office : Padwar
Pin Code : 483501
- FAX No. : N. A.
E-mail : shivshaktitradingcokt@gmail.com
Phone : N. A.
- (f) Police Station
:katni
- (g) First opening date : 06-NOV-93
- (h) Weekly day of rest : SUNDAY
2. Address for : SHIV SHAKTI TRADING CO.
correspondance H.NO.833 MAHARISHI VIDYAMANDIR ROAD.
DUBEY COLONY, KATNI (MP)
3. (a) Lease Number :
- (b) Lease area : **7.46 hect.**
- (c) Period of lease : **20 years**
- (d) Date of Expiry :
4. Mineral worked : FIRECLAY Associated
LATERITE Associated
BAUXITE Main

5. Name and Address of the

Lessee : SHIV SHAKTI TRADING CO.
 OPP. PIYUSH SCHOOL, BARHI
 ROAD, KATNI MADHYA
 PRADESH
 Phone:N. A.
 FAX :N. A.

Owner : KRISHNA MINES & MINERALS
 C-4, BRINDAVAN COLONY,
 JHANJHRI, NEAR MURLI DHAWA,
 KATNI (M.P.) KATNI MADHYA
 PRADESH
 Phone: NA
 FAX : NA

Mining Engineer

Name : A.K.GUPTA, Full Time
 Qualification : Diploma in Mining
 Appointment/ :
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	31-AUG-00
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	18-NOV-04
	:	Renewal under rule 24 MCR1960	05-NOV-14

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	05 Boreholes	NIL	Exploration was not done against proposal of 05 exploratory bore holes for the previous approved period. Violation pointed out for the same under rule 11(1) of MCDR-2017
1b	Exploration over lease area for geological axis 1 or 2	Exploration proposed under G-1 axis in the previous approved period.	Area Explored under G-1 catagory - 1.71 Hect	Exploration was not done against proposal of 05 exploratory bore holes for the previous approved period. Violation pointed out for the same under rule 11(1) of MCDR-2017.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not specified	Not done	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	5.75 hect.	Exploration was not done against proposal of 05 exploratory bore holes for the previous approved period. Violation pointed out for the same under rule 11(1) of MCDR-2017.
1e	Balance reserve as on 01/04/20		Balance reserve as on 01.04.2021 673572 Tonnes (Bauxite)	
1f	General remarks of inspecting officers on geology, exploration etc			No approved document for the RY 2020-21.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Not proposed	NIL	No approved document for the RY 2020-21. Mine operation not done in the RY 2020-21 as per available records.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	Separate benches in topsoil overburden and mineral not maintained in the pits as per approved document.	Violation pointed out for the same under rule 11(1) of MCDR-2017.
2c	Stripping ratio or ore to OB ratio	NA	NIL	No mining operation in the RY 2020-21.
2d	Quantity of topsoil generation in m3	NA	NIL	No approved document for the RY 2020-21.
2e	Quantity of overburden generation in m3	NA	NIL	No mining operation in the RY 2020-21.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			No mining operation in the RY 2020-21 due to lack of approved document. Separate benches in topsoil overburden and mineral not maintained in the pits as per approved document. Violation pointed out for the same under rule 11(1) of MCDR-2017.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
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3a	Number of pit proposed for production	NA	NIL	No mining operation in the RY 2020-21 due to lack of approved document. Working was observed in the pit-01 in the approved plan period. Excavation was observed within the 7.5m barrier zone in the Eastern part of the mine. Violation pointed out for the same under rule 11(1) of MCDR.2017
3b	Quantity of ROM mineral production proposed	NIL	NIL	No approved document for the RY 2020-21.
3c	Recovery of sailable/usable mineral from ROM production	NA	NA	No approved document for the RY 2020-21.
3d	Quantity of mineral reject generation	NA	NA	No approved document for the RY 2020-21.
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	No approved document for the RY 2020-21.
3f	Quantity of sub grade mineral generation.	NA	NA	No approved document for the RY 2020-21.
3g	Grade of sub grade mineral generation	NA	NA	No approved document for the RY 2020-21.
3h	Manual / Mechanised method adopted for segregating from ROM	NA	NA	No approved document for the RY 2020-21.

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NA	NA	
3j	Provision of drilling and blasting in mineral benches	NA	NA	No approved document for the RY 2020-21.
3k	Provision of mining machineries in mineral benches	NA	NA	No approved document for the RY 2020-21.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	NA	NA	No approved document for the RY 2020-21.
3m	Total area covered under excavation/pits	No proposal (3.22 Hect as per previous approved document)	2.90 Hect	No approved document for the RY 2020-21.
3n	Ore to OB ratio for the pit/mine during the year.	NA	NA	No approved document for the RY 2020-21.
3o	Total area put in use under different heads at the end of year	No proposal	5.23 Hect	No approved document for the RY 2020-21.
3p	Production of ROM mineral during the last five year period as applicable	2016-17 - 143780 T 2017-18 - 104535 T 2018-19 - NIL 2019-20 - NIL 2020-21 - NIL	2016-17 - 18000 T 2017-18 - NIL 2018-19 - NIL 2019-20 - NIL 2020-21 - NIL	
3q	General remarks of inspecting officers on method of mining etc.	No proposal	NA	No approved document for the RY 2020-21.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	NA	NA	No approved document for the RY 2020-21.
4b	Location of topsoil, OB and mineral reject dumps	NA	NA	OB dump was observed outside the lease area. Court Case was filed for the same and panelty was imposed by the Hon'ble court.
4c	Number of dumps within lease area and outside of lease area	NOT PROPOSED	TWO OLD DUMPS	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NO PROPOSAL	02 DUMPS	One OB dump was observed outside the lease area. Court Case was filed for the same and panelty was imposed by the Hon'ble court.
4e	Number of active and alive dumps.	No proposal	Nil	No approved document for the RY 2020-21.
4f	Number of dead dumps.	NA	NA	No approved document for the RY 2020-21.
4g	Number of dumps established.	NA	NA	No approved document for the RY 2020-21.
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal	NA	No approved document for the RY 2020-21.
4i	Length of Retaining wall or garland drain all along dumps	No proposal	NA	No approved document for the RY 2020-21.
4j	Number of settling ponds	Not proposed	NA	No approved document for the RY 2020-21.

4k	Specific comments of inspecting officer on waste dump management			No approved document for the RY 2020-21. One OB dump was observed outside the lease area. Court Case was filed for the same and penalty was imposed by the Hon'ble court.
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Solid Waste Management - Backfilling:

Sl.No.	Item	Proposals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	Not proposed	NA	No approved document for the RY 2020-21.
5b	Area under backfilling of mined out area	Not proposed	NA	Backfilling was not done as per previous approved proposal in the Barrier zone. Violation pointed out for the same.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not proposed	NA	No approved document for the RY 2020-21.
5d	Total area fully reclaimed and rehabilitated	Not proposed	Nil	No approved document for the RY 2020-21.
5e	General remarks of inspecting officers on backfilling and reclamation etc.			No approved document for the RY 2020-21. Backfilling was not done as per previous approved proposal in the Barrier zone. Violation pointed out for the same.

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Yes	Not submitted	The yearly report of PMCP has not been submitted for the previous approved plan period. Violation pointed out for the same under rule 26(2) of MCDR-2017.
6b	Area available for rehabilita tion (ha) .	Not proposed	Nil	No approved document for the RY 2020-21.
6c	afforestat ion done (ha).	Not proposed	Not done	No approved document for the RY 2020-21.
6d	No. of saplings planted during the year	Not proposed	Nil	No approved document for the RY 2020-21.
6e	Cumulative no .of plants	Not proposed	NA	No approved document for the RY 2020-21.
6f	Any other method of rehabilita tion	Not proposed	Not done	
6g	Cost incurred on watch and care during the year	Not proposed	Not done	
6h	Compliance on reclamatio n and rehabilita tion by backfilling (i) Voids available for backfilling (Lx B x D	Not proposed	NA	
6i	Compliance on reclamatio n and rehabilita tion by backfilling (ii) Voids filled by waste / tailings	Not proposed	Not done	Backfilling was not done in 0.0225 Hect area as per previous approved proposal in the Barrier zone. Violation pointed out for the same under rule 11(1) of MCDR-2017.

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	Not proposed	Not done	No approved document for the RY 2020-21.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	Not done	No approved document for the RY 2020-21.
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Not proposed	Not done	No approved document for the RY 2020-21.
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal	Not done	No approved document for the RY 2020-21.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal	Not done	No approved document for the RY 2020-21.
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal	Not done	No approved document for the RY 2020-21.
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes	Environmental Monitoring reports submitted with Mining Plan document.	

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	The yearly report of PMCP has not been submitted for the previous approved plan period. Violation pointed out for the same under rule 26(2) of MCDR-2017.
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Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposal	Nil	No approved document for the RY 2020-21.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal	Nil	No approved document for the RY 2020-21.
7c	Different grade of mineral sorted out at mines.	No proposal	Nil	No approved document for the RY 2020-21.
7d	Any beneficiation process at mines	No proposal	Nil	No approved document for the RY 2020-21.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No approved document for the RY 2020-21.

Environment:

Sl.No.	Item	Proposals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	Nil	No approved document for the RY 2020-21.
8b	Concurrent use or storage of topsoil	No proposal	Nil	No approved document for the RY 2020-21.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal	Nil	No approved document for the RY 2020-21.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Nil	No approved document for the RY 2020-21.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Nil	No approved document for the RY 2020-21.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No proposal	NA	No approved document for the RY 2020-21.
8g	Survival rate	No proposal	NA	No approved document for the RY 2020-21.
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	No approved document for the RY 2020-21. Plantation in the barrier zone and dump area was observed during the inspection.
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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Annual Return submitted on 05-05-2021		No mining operation in the RY 2020-21 due to lack of approved document as per available records.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Yes	No Mining Engineer and Geologist appointed	No approved document for the RY 2020-21.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Yes	Lease area (surface area) utilisation as at the end of year (hectares) (i) Already exploited & abandoned by opencast (O/C) mining 0 (ii) Covered under current (O/C) Workings - 2.400 (iii) Reclaimed/Rehabilitated 0.000 (iv) Used for waste disposal 2.000 (v) Occupied by plant, buildings, residential, welfare buildings & roads 1.000 (vi) Other Purpose - NIL (vii) Work done under progressive mine closure plan during the year 0.000	

9d	Scrutiny of Annual return on afforestation	Yes	NIL	No operation in the RY 2020-21 due to lack of approved document as per available records.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Yes	NIL	No operation in the RY 2020-21 due to lack of approved document as per available records.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Yes	Closing Stock of Laterite from Open Cast Workings in previous approved document - 7159.935 Tonnes Closing Stock of Bauxite from Open Cast Workings in previous approved document - 13600.00 Tonnes Closing Stock of Bauxite from Dump Workings in previous approved document - 14000.00 Tonnes	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Yes	NIL	No operation in the RY 2020-21 due to lack of approved document as per available records.
9h	Scrutiny of Annual return on fixed assets	Yes	Total Fixed assets - Rs 2.85 Crores	
9k	Scrutiny of Annual return on mining machineries	Yes	SHOVEL (HYDRAULIC) 1.000 CUM 1 Non Electrical Opencast BACK HOE 3.0 CUM 1 No TIPPER 8.0 CUM 2 Nos TIPPER 14.0 CUM 2 Nos TIPPER 14.0 CUM 3 Nos JEEP/TRACTOR 35.0 HP 1 No WATER TANKER 5000.0 LITRE 1 No PUMPS (ELEC.) 10.0 L/MN 2 Nos	

Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed			Show couse position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
MCDR17 Rule 11 (1)	28-JUN-21				
MCDR17 Rule 33	28-JUN-21				
Rule 26(2)	28-JUN-21				
Rule 28(1)	28-JUN-21				
MCDR17 Rule 55 (1) (1	28-JUN-21				

Date :

(NARESH KUMAR KATARIYA)

Indian Bureau of Mines